

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 3, 11, 14, 17-19 and 22-29 in accordance with the following.

1. (Currently Amended) An apparatus for compressing a plurality of structured documents having a common data structure, said apparatus comprising:

a tag list obtaining unit obtaining ~~a single tag~~ only one tag list, common to said plural structured documents, that lists start markup tags and end markup tags in the order that they appear in the structured documents, by removing element contents from the common data structure;

a structured document compressing unit, by replacing ~~each of the start markup tags and end markup tags in individual said plural structured documents that correspond to the tag list~~ all tags in said plural structured documents with a single predetermined delimiter code, generating a plurality of compressed documents comprising element contents and predetermined delimiter codes; and

an outputting unit outputting said single tag list, which is obtained by said tag list obtaining unit, and also said plurality of compressed documents, which are generated individually from said plural structured documents by said structured document compressing unit, in correspondence with one another.

2. (Previously Presented) A structured document compressing apparatus according to claim 1, wherein said structured document compressing unit further comprises:

a tag detecting unit detecting each start markup tag and end markup tag in individual said structured documents; and

a tag replacement unit replacing each start markup tag and end markup tag, detected by said tag detecting unit, with said predetermined delimiter code.

3. (Currently Amended) An apparatus for compressing a plurality of structured documents having a common data structure, said apparatus comprising:

a tag detecting unit detecting each start markup tag and end markup tag in individual said plurality of structured documents; and

a tag replacement unit replacing said start markup tags and end markup tags, detected by said tag detecting unit, with a single predetermined delimiter code, to translate individual said plurality of structured documents into a compressed document comprising element contents and predetermined delimiter codes.

4. (Previously Presented) An apparatus for compressing a structured document, said apparatus comprising:

a subdocument extracting unit extracting a plurality of subdocuments having a common data structure, each of which is a region sandwiched between a start markup tag and an end markup tag that have a predetermined element name, from said structured document;

a tag detecting unit detecting each of said start markup tags and end markup tags in individual said plurality of subdocuments extracted by said subdocument extracting unit; and

a tag replacement unit replacing each of said start markup tags and end markup tags, detected by said tag detecting unit, with a single predetermined delimiter code, to translate said structured document into a compressed document comprising element contents and predetermined delimiter codes.

5. (Previously Presented) A structured document compressing apparatus according to claim 3, further comprising:

an attribute-bearing-tag discriminating unit discriminating whether or not said markup tag detected by said tag detecting unit is an attribute-bearing markup tag, which has an attribute value; and

an attribute-bearing-tag replacement unit replacing said attribute-bearing markup tag, discriminated by said attribute-bearing-tag discriminating unit, with a set of the attribute value and a single predetermined delimiter code.

6. (Previously Presented) A structured document compressing apparatus according to claim 4, further comprising:

an attribute-bearing-tag discriminating unit discriminating whether or not said markup tag detected by said tag detecting unit is an attribute-bearing markup tag, which has an attribute value; and

an attribute-bearing-tag replacement unit replacing said attribute-bearing markup tag, discriminated by said attribute-bearing-tag discriminating unit, with a set of the attribute value and a single predetermined delimiter code.

7. (Previously Presented) A structured document compressing apparatus according to claim 3, further comprising:

a tag list holding unit holding a tag list in which start markup tags and end markup tags are listed in a predetermined order for definition of a predetermined data structure;

a tag rearranging unit rearranging start markup tags and end markup tags in individual said plurality of structured documents before compression, in the predetermined order according to the tag list held in said tag list holding unit; and

an omitted-tag supplementing unit supplementing a start markup tag and an end markup tag omitted in said structured document according to said tag list held in said tag list holding unit.

8. (Previously Presented) A structured document compressing apparatus according to claim 4, further comprising:

a tag list holding unit holding a tag list in which start markup tags and end markup tags are listed in a predetermined order for definition of a predetermined data structure;

a tag rearranging unit rearranging start markup tags and end markup tags in said structured document before compressed, in the predetermined order according to the tag list held in said tag list holding unit; and

an omitted-tag supplementing unit supplementing a start markup tag and an end markup tag omitted in said structured document according to said tag list held in said tag list holding unit.

9. (Previously Presented) A structured document compressing apparatus according to claim 5, further comprising:

a tag/attribute list holding unit holding a tag/attribute list in which start markup tags, end markup tags and an attribute name are listed in a predetermined order for the definition of a predetermined data structure;

a tag/attribute rearranging unit rearranging start markup tags, end markup tags and an attribute in individual said plurality of structured documents to be compressed, in the predetermined order according to the tag/attribute list held in said tag/attribute list holding unit; and

an omitted tag/attribute supplementing unit supplementing a start markup tag and an end markup tag and/or an attribute omitted in individual said plurality of structured documents according to the tag/attribute list held in said tag/attribute list holding unit.

10. (Previously Presented) A structured document compressing apparatus according to claim 6, further comprising:

a tag/attribute list holding unit holding a tag/attribute list in which start markup tags, end markup tags and an attribute name are listed in a predetermined order for the definition of a predetermined data structure;

a tag/attribute rearranging unit rearranging start markup tags, end markup tags and an attribute in said structured document to be compressed, in the predetermined order according to the tag/attribute list held in said tag/attribute list holding unit; and

an omitted tag/attribute supplementing unit supplementing a start markup tag and an end markup tag and/or an attribute omitted in said structured document according to the tag/attribute list held in said tag/attribute list holding unit.

11. (Currently Amended) A method for compressing a plurality of structured documents having a common data structure using a computer, said method comprising:

obtaining ~~a single tag~~ only one tag list, common to said plural structured documents, that lists start markup tags and end markup tags in the order that they appear in the structured documents, by removing element contents from the common data structure;

replacing each of said start markup tags and end markup tags in individual said plural structured documents that correspond to the tag list in said plural structured documents with a single predetermined delimiter code, to generate a plurality of compressed documents comprising predetermined delimiter codes and element contents; and

outputting the single tag list and the plurality of compressed documents generated from said plural structured documents, in correspondence with one another.

12. (Previously Presented) A method for compressing a plurality of structured documents having a common data structure using a computer, where the structured document comprises content start markup tags and end markup tags that are separate from the content and the markup tags structure the content, said method comprising:

detecting each start markup tag and end markup tag in individual said plurality of structured documents; and

replacing each start markup tag and end markup tag with a single predetermined delimiter code, to translate individual said plurality of structured documents into a compressed document comprising element contents and predetermined delimiter codes.

13. (Previously Presented) A method for compressing a structured document using a computer, said method comprising:

extracting a plurality of structure subdocuments having a common data structure, each of which is a region sandwiched between a start markup tag and an end markup tag that have a predetermined element name, from said structured document;

detecting each start markup tag and end markup tag in individual said plurality of subdocuments; and

replacing each start markup tag and end markup tag with a single predetermined delimiter code, to translate said structured document into a compressed document comprising element contents and predetermined delimiter codes.

14. (Currently Amended) A computer readable record medium which stores a structured document compressing program for instructing a computer to execute a function of compressing a plurality of structured documents having a common data structure, wherein said structured document compressing program instructs the computer to function as:

a tag list obtaining unit obtaining ~~a single tag~~ only one tag list, common to said plural structured documents, that lists start markup tags and end markup tags in the order that they appear in the structured documents, by removing element contents from the common data structure;

a structured document compressing unit, by replacing each of said start markup tags and end markup tags in individual said plural structured documents that correspond to the tag list in said plural structured documents with a single predetermined delimiter code, generating a plurality of compressed documents comprising said predetermined delimiter and element contents; and

an outputting unit outputting said single tag list, which is obtained by said tag list obtaining unit, and also said plurality of compressed documents, which are generated individually from said plural structured documents by said structured document compressing unit, in correspondence with one another.

15. (Previously Presented) A computer readable record medium which stores a structured document compressing program for instructing a computer to execute a function of compressing a plurality of structured documents having a common data structure, wherein said structured document compressing program instructs the computer to function as:

a tag detecting unit detecting each start markup tag and end markup tag in individual said plurality of structured documents; and

a tag replacement unit replacing each start markup tag and end markup tag, detected by said tag detecting unit, with a single predetermined delimiter code, to translate individual said plurality of structured documents into a compressed document comprising element contents and predetermined delimiter codes.

16. (Previously Presented) A computer readable record medium which stores a structured document compressing program for instructing a computer to execute a function of compressing a structured document, wherein said structured document compressing program instructs the computer to function as:

a subdocument extracting unit extracting a plurality of subdocuments having a common data structure, which is a region sandwiched between a start markup tag and an end markup tag that have a predetermined element name, from said structured document;

a tag detecting unit detecting each start markup tag and end markup tag in individual said plurality of subdocuments extracted by said subdocument extracting unit; and

a tag replacement unit replacing each start markup tag and end markup tag, detected by said tag detecting unit, with a single predetermined delimiter code, to translate said structured document into a compressed document comprising element contents and predetermined delimiter codes.

17. (Currently Amended) ~~An apparatus for decompressing a plurality of compressed documents, which are generated by replacing each of start markup tags and end markup tags in a plurality of original structured documents having a common data structure with a single predetermined delimiter code and which comprise element contents and predetermined delimiter codes, on the basis of a tag list in which start markup tags and end markup tags in said plural original structured documents are listed in the order of appearance by removing element contents from the common data structure, said apparatus comprising:~~

a plurality of compressed documents generated by replacing each of start markup tags and end markup tags in a plurality of original structured documents having a common data

structure with a single predetermined delimiter code and which comprise element contents and predetermined delimiter codes, on the basis of a tag list in which start markup tags and end markup tags in said plural original structured documents are listed in the order of appearance by removing element contents from the common data structure;

a duplicating unit expanding/duplicating a data structure corresponding to said tag list, as a duplicated data structure, on a memory; and

a writing unit writing element contents of each of said compressed documents into predetermined regions of said duplicated data structure extended on said memory, in accordance with a correspondence between a position of a start markup tag or an end markup tag in said duplicated data structure and a position of the predetermined delimiter code in each of said compressed documents.

18. (Currently Amended) ~~An apparatus for decompressing a plurality of compressed documents, which are generated by replacing each of start markup tags and end markup tags in a plurality of original structured documents having a common data structure with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes, said apparatus comprising:~~

a plurality of compressed documents generated by replacing each of start markup tags and end markup tags in a plurality of original structured documents having a common data structure with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes;

a tag list holding unit holding a tag list in which markup tags in said structured document are listed in the order of appearance by removing element contents from the common data structure;

a delimiter code detecting unit detecting each of the predetermined delimiter codes in said compressed document; and

a tag restoring unit replacing the predetermined delimiter code, detected by said delimiter code detecting unit, with a corresponding markup tag on said tag list, in accordance with a correspondence between a position of the markup tag in said tag list and a position of the predetermined delimiter code detected by said delimiter code detecting unit.

19. (Currently Amended) ~~An apparatus for decompressing a compressed document, which is generated by replacing each of start markup tags and end markup tags in a plurality of subdocuments having a common data structure, each of which is a region, in an original~~

~~structured document, sandwiched between a start markup tag and an end markup tag that have a predetermined element name, with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes, said apparatus comprising:~~

a compressed document generated by replacing each of start markup tags and end markup tags in a plurality of subdocuments having a common data structure, each of which is a region, in an original structured document, sandwiched between a start markup tag and an end markup tag that have a predetermined element name, with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes;

a tag list holding unit holding a tag list in which markup tags in individual said plurality of subdocuments are listed in the order of appearance by removing element contents from the common data structure;

a subdocument extracting unit extracting individual said plurality of subdocuments from said compressed document;

a delimiter code detecting unit detecting each of the predetermined delimiter codes in individual said plurality of subdocuments extracted by said subdocument extracting unit; and

a tag restoring unit replacing the predetermined delimiter code, detected by said delimiter code detecting unit, with a corresponding start markup tag or end markup tag on said tag list, in accordance with a correspondence between a position of the start markup tag or the end markup tag in said tag list and a position of the predetermined delimiter code detected by said delimiter code detecting unit.

20. (Previously Presented) A structured document decompressing apparatus according to claim 18, wherein if an attribute inside an attribute-bearing markup tag in individual said plurality of original structured documents is replaced with a set of an attribute value and a predetermined delimiter code in individual said plurality of compressed documents, said apparatus further comprises:

an attribute list holding unit holding an attribute list in which attribute names in individual said plurality of compressed documents are listed in the order of appearance;

an attribute-bearing-tag discriminating unit discriminating whether or not a given markup tag to be restored by said tag restoring unit is an attribute-bearing markup tag; and

an attribute-bearing-tag restoring unit restoring said attribute-bearing markup tag discriminated by said attribute-bearing-tag discriminating unit, in accordance with a correspondence between an attribute value for said attribute-bearing markup tag and an attribute name in said attribute list.

21. (Previously Presented) A structured document decompressing apparatus according to claim 19, wherein if an attribute inside an attribute-bearing markup tag in said original structured document is replaced with a set of an attribute value and a predetermined delimiter code in said compressed document, said apparatus further comprises:

an attribute list holding unit holding an attribute list in which attribute names in said compressed document are listed in the order of appearance;

an attribute-bearing-tag discriminating unit discriminating whether or not a given markup tag to be restored by said tag restoring unit is an attribute-bearing markup tag; and

an attribute-bearing-tag restoring unit restoring said attribute-bearing markup tag discriminated by said attribute-bearing-tag discriminating unit, in accordance with a correspondence between an attribute value for said attribute-bearing markup tag and an attribute name in said attribute list.

22. (Currently Amended) ~~A method for decompressing a plurality of compressed documents, which are generated by replacing each of start markup tags and end markup tags in a plurality of original structured documents having a common data structure with a single predetermined delimiter code and which comprise element contents and predetermined delimiter codes, on the basis of a tag list in which start markup tags and end markup tags in said plural original structured documents are listed in the order of appearance by removing element contents from the common data structure, said method comprising:~~

generating a plurality of compressed documents by replacing each of start markup tags and end markup tags in a plurality of original structured documents having a common data structure with a single predetermined delimiter code and which comprise element contents and predetermined delimiter codes, on the basis of a tag list in which start markup tags and end markup tags in said plural original structured documents are listed in the order of appearance by removing element contents from the common data structure;

expanding/duplicating a data structure corresponding to said tag list, as a duplicated data structure, on a memory; and

writing element contents of each of said compressed documents into predetermined regions of said duplicated data structure extended on said memory, in accordance with a correspondence between a position of a start markup tag or an end markup tag in said duplicated data structure and a position of the predetermined delimiter code in each of said compressed documents.

23. (Currently Amended) ~~A method for decompressing a plurality of compressed documents, which are generated by replacing each of start markup tags and end markup tags in a plurality of original structured documents having a common data structure with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes, said method comprising:~~

generating a plurality of compressed documents by replacing each of start markup tags and end markup tags in a plurality of original structured documents having a common data structure with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes;

holding a tag list in which start markup tags and end markup tags in said structured document are listed in the order of appearance by removing element contents from the common data structure;

detecting each of the predetermined delimiter codes in individual said plurality of compressed documents; and

replacing the detected predetermined delimiter code with a corresponding start markup tag or end markup tag on said tag list, in accordance with a correspondence between a position of the detected predetermined delimiter code and a position of the start markup tag or the end markup tag in said tag list.

24. (Currently Amended) ~~A method for decompressing a compressed document, which is generated by replacing each of start markup tags and end markup tags in a plurality of subdocuments having a common data structure, each of which is a region, in an original structured document, sandwiched between a start markup tag and an end markup tag that have a predetermined element name, with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes, said method comprising:~~

generating a compressed document by replacing each of start markup tags and end markup tags in a plurality of subdocuments having a common data structure, each of which is a region, in an original structured document, sandwiched between a start markup tag and an end markup tag that have a predetermined element name, with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes;

holding a tag list in which start markup tags and end markup tags in individual said plurality of subdocuments are listed in the order of appearance by removing element contents from the common data structure;

extracting individual said plurality of subdocuments from said compressed document;
 detecting each of the predetermined delimiter codes in individual said extracted plurality of subdocuments; and

replacing the detected predetermined delimiter code with a corresponding start markup tag or end markup tag on said tag list, in accordance with a correspondence between a position of the detected predetermined delimiter code and a position of the start markup tag or the end markup tag in said tag list.

25. (Currently Amended) A computer readable record medium ~~which stores encoded with a structured document decompressing program for method instructing a computer to execute perform a method comprising function of decompressing a plurality of compressed documents, which are generated by replacing each of start markup tags and end markup tags, in a plurality of original structured documents having a common data structure, with a single predetermined delimiter code and which comprise element contents and predetermined delimiter codes, on the basis of a tag list in which start markup tags and end markup tags in said plural structured documents are listed in the order of appearance by removing element contents from the common data structure, wherein said structured document decompressing program instructs the computer to function as:~~

generating a plurality of compressed documents by replacing each of start markup tags and end markup tags, in a plurality of original structured documents having a common data structure, with a single predetermined delimiter code and which comprise element contents and predetermined delimiter codes, on the basis of a tag list in which start markup tags and end markup tags in said plural structured documents are listed in the order of appearance by removing element contents from the common data structure;

a duplicating unit expanding/duplicating a data structure corresponding to said tag list, as a duplicated data structure, on a memory; and

a writing unit writing element contents of each of said compressed documents into predetermined regions of said duplicated data structure extended on said memory, in accordance with a correspondence between a position of a start markup tag or an end markup tag in said duplicated data structure and a position of the predetermined delimiter code in each of said compressed documents.

26. (Currently Amended) A computer readable record medium ~~which stores encode with a structured document decompressing program for method instructing a computer to execute~~

~~perform a method comprising: function of decompressing a plurality of compressed, which are generated by replacing each of start markup tags and end markup tags, in a plurality of original structured documents having a common data structure, with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes, wherein said structured document decompressing program instructs the computer to function as:~~

generating a plurality of compressed documents by replacing each of start markup tags and end markup tags, in a plurality of original structured documents having a common data structure, with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes;

a delimiter code detecting unit detecting each of the predetermined delimiter codes in individual said plurality of compressed documents; and

a tag restoring unit replacing the predetermined delimiter code, detected by said delimiter code detecting unit, with a corresponding start markup tag or end markup tag on a tag list in which start markup tags and end markup tags in individual said plurality of structured documents are listed in the order of appearance by removing element contents from the common data structure, in accordance with a correspondence between a position of the start markup tag or the end markup tag in said tag list and a position of the predetermined delimiter code detected by said delimiter code detecting unit.

27. (Currently Amended) A computer readable record medium ~~which stores encoded with a structured document decompressing program for method~~ instructing a computer to ~~execute perform a method comprising: function of decompressing a compressed document, which is generated by replacing each of start markup tags and end markup tags in a plurality of subdocuments having a common data structure, each of which is a region, in an original structured document, sandwiched between a start markup tag and an end markup tag that have a predetermined element name, with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes, wherein said structured document decompressing program instructs the computer to function as:~~

generating a compressed document by replacing each of start markup tags and end markup tags in a plurality of subdocuments having a common data structure, each of which is a region, in an original structured document, sandwiched between a start markup tag and an end markup tag that have a predetermined element name, with a single predetermined delimiter code and which comprises element contents and predetermined delimiter codes;

a subdocument extracting unit extracting individual said plurality of subdocuments from said compressed document;

a delimiter code detecting unit detecting each of the predetermined delimiter codes in individual said plurality of subdocuments extracted by said subdocument extracting unit; and

a tag restoring unit replacing the predetermined delimiter code, detected by said delimiter code detecting unit, with a corresponding start markup tag or end markup tag on a tag list in which start markup tags and end markup tags in said subdocument are listed in the order of appearance by removing element contents from the common data structure, in accordance with a correspondence between a position of the start markup tag or the end markup tag in said tag list and a position of the predetermined delimiter code detected by said delimiter code detecting unit.

28. (Currently Amended) A structured document processing system for processing a plurality of structured documents having a common data structure, comprising a structured document compressing apparatus compressing said plurality of structured documents and a structured document decompressing apparatus decompressing the data compressed by said structured document compressing apparatus,

wherein said structured document compressing apparatus comprises:

a tag list obtaining unit obtaining ~~a single tag~~ only one tag list, common to said plural structured documents, that lists start markup tags and end markup tags, extracted from said plurality of structured documents, in the order that they appear in the structured documents, by removing element contents from the common data structure;

a structured document compressing unit, by replacing each of start markup tags and end markup tags in individual said plurality of structured documents that correspond to the tag list in said plurality of structured documents with a single predetermined delimiter code, generating a plurality of compressed documents comprising element contents and predetermined delimiter codes; and

an outputting unit outputting said single tag list, which is obtained by said tag list obtaining unit, and also said plurality of compressed documents, which are generated individually from said plural structured documents by said structured document compressing unit, in correspondence with one another, and

wherein said structured document decompressing unit comprises:

a duplicating unit expanding/duplicating a data structure corresponding to said tag list, as a duplicated data structure, on a memory; and

a writing unit writing element contents of each of said compressed documents into predetermined regions of said duplicated data structure extended on said memory, in accordance with a correspondence between a position of a start markup tag or an end markup tag in said duplicated data structure and a position of the predetermined delimiter code in each of said compressed documents.

29. (Currently Amended) A structured document processing system for processing a plurality of structured documents having a common data structure, comprising a structured document compressing apparatus compressing said plurality of structured documents and a structured document decompressing apparatus decompressing the data compressed by said structured document compressing apparatus,

wherein said structured document compressing apparatus comprises:

a tag detecting unit detecting each of start markup tags and end markup tags in individual said plurality of structured documents; and

a tag replacement unit replacing each of start markup tags and end markup tags, detected by said tag detecting unit, with a single predetermined delimiter code, to translate individual said plurality of structured documents into a compressed document comprising element contents and predetermined delimiter codes, and

wherein said structured document decompressing apparatus comprises:

a tag list holding unit holding a tag list in which start markup tags and end markup tags in individual said plurality of structured documents are listed in the order of appearance by removing element contents from the common data-~~structure~~ structure;

a delimiter code detecting unit detecting each of the predetermined delimiter codes in the compressed document compressed by said structured document decompressing apparatus; and

a tag restoring unit replacing the predetermined delimiter code, detected by said delimiter code detecting unit, with a corresponding start markup tag or end markup tag on said tag list, in accordance with a correspondence between a position of the start markup tag or the end markup tag in said tag list and a position of the predetermined delimiter code detected by said delimiter code detecting unit.

30. (Previously Presented) A structured document processing system for processing a structured document, comprising a structured document compressing apparatus compressing

said structured document and a structured document decompressing apparatus decompressing the data compressed by said structured document compressing apparatus,

wherein said structured document compressing apparatus comprises:

a first subdocument extracting unit extracting a plurality of subdocuments having a common data structure, each of which is a region sandwiched between a start markup tag and an end markup tag that have a predetermined element name, from said structured document;

a tag detecting unit detecting each of start markup tags and end markup tags in individual said plurality of subdocuments extracted by said first subdocument extracting unit; and

a tag replacement unit replacing each of start markup tags and end markup tags, detected by said markup tag detecting unit, with a single predetermined delimiter code, to translate said structured document into a compressed document comprising element contents and predetermined delimiter codes, and

wherein said structured document decompressing apparatus comprises:

a tag list holding unit holding a tag list in which start markup tags and end markup tags in said subdocument are listed in the order of appearance by removing element contents from the common data structure;

a second subdocument extracting unit extracting individual said plurality of subdocuments from the compressed document compressed by said structured document compressing apparatus;

a delimiter code detecting unit detecting each of the predetermined delimiter codes in individual said plurality of subdocuments extracted by said second subdocument extracting unit; and

a tag restoring unit replacing the predetermined delimiter code, detected by said delimiter code detecting unit, with a corresponding start markup tag or end markup tag on said tag list, in accordance with a correspondence between a position of the start markup tag or the end markup tag in said tag list with a position of the predetermined delimiter code detected by said delimiter code detecting unit.

31. (Previously Presented) A structured document processing system according to claim 29, further comprising:

a tag-list-group holding unit holding a plurality of tag lists corresponding to data structures of structured documents that can possibly be processed; and

a tag list managing unit managing correspondence between compressed documents generated by said structured document compressing apparatus and said tag lists held in said tag-list-group holding unit.

32. (Previously Presented) A structured document processing system according to claim 30, further comprising:

a tag-list-group holding unit holding a plurality of tag lists corresponding to data structures of structured documents that can possibly be processed; and

a tag list managing unit managing correspondence between compressed documents generated by said structured document compressing apparatus and said tag lists held in said tag-list-group holding unit.

33. (Previously Presented) A structured document processing system according to claim 29, further comprising:

a tag-list-group holding unit holding a plurality of tag lists corresponding to data structures of structured documents that can possibly be processed;

a tag-list identification information adding unit adding tag-list identification information, which identifies a tag list that corresponds to a compressed document generated by said structured document compressing apparatus, to said compressed document; and

a tag-list identification information obtaining unit obtaining said tag-list identification information added to said compressed document,

said structured document decompressing apparatus decompressing said compressed document using said tag list that corresponds to said tag-list identification information obtained by said tag-list identification information obtaining unit.

34. (Previously Presented) A structured document processing system according to claim 30, further comprising:

a tag-list-group holding unit holding a plurality of tag lists corresponding to data structures of structured documents that can possibly be processed;

a tag-list identification information adding unit adding tag-list identification information, which identifies a tag list that corresponds to a compressed document generated by said structured document compressing apparatus, to said compressed document; and

a tag-list identification information obtaining unit obtaining said tag-list identification information added to said compressed document,

said structured document decompressing apparatus decompressing said compressed document using said tag list that corresponds to said tag-list identification information obtained by said tag-list identification information obtaining unit.

35. (Original) A structured document processing system according to claim 31, wherein said tag-list-group holding unit is provided on a management server, which is communicably connected with said structured document compressing apparatus and with said structured document decompressing apparatus via a network, and a tag list necessary for the processing is read from said tag-list-group holding unit on said management server.

36. (Original) A structured document processing system according to claim 32, wherein said tag-list-group holding unit is provided on a management server, which is communicably connected with said structured document compressing apparatus and with said structured document decompressing apparatus via a network, and a tag list necessary for the processing is read from said tag-list-group holding unit on said management server.

37. (Original) A structured document processing system according to claim 33, wherein said tag-list-group holding unit is provided on a management server, which is communicably connected with said structured document compressing apparatus and with said structured document decompressing apparatus via a network, and a tag list necessary for the processing is read from said tag-list-group holding unit on said management server.

38. (Original) A structured document processing system according to claim 34, wherein said tag-list-group holding unit is provided on a management server, which is communicably connected with said structured document compressing apparatus and with said structured document decompressing apparatus via a network, and a tag list necessary for the processing is read from said tag-list-group holding unit on said management server.

39. (New) A structured document compression method, comprising:
replacing each markup tag in a structured document with a single predetermined delimiter code; and
generating a tag file that strictly lists each markup tag in the order which it appears in the structured document.